

Author index

A

Abd-Elaziz, Manar 232
 Abe, Hideaki 434
 Abe, Masayoshi 414
 Aburatani, Hiroyuki 265, 844
 Adachi, Atsuko 519
 Adachi, Yoshihiro 425
 Ahmed, Sunjida 466
 Aiko, Satoshi 176
 Ajiki, Wakiko 684, 689
 Akahira, Jun-ichi 232, 645
 Akamatsu, Norihiko 527
 Akasaka, Susumu 507
 Akiyama, Shin-ichi 372
 Akiyama, Tetsu 191
 Ando, Shingo 560
 Andoh, Toshiwo 620, 816
 Aoyagi, Masaru 676
 Aoyagi, Yoshimi 614
 Aoyama, Kohji 13
 Araki, Keiji 116
 Araki, Kunio 227
 Arii, Kenji 713
 Asada, Hideo 519
 Asai, Naoya 143
 Asakage, Masahiro 93, 784
 Asamoto, Makoto 221
 Asamura, Hisao 661
 Asayama, Munehiko 911
 Aung, Phyu Phyu 474, 571
 Azuma, Takeshi 170

B

Baba, Tetsuro 882
 Bai, Zhongbin 317
 Bang, Yung-Jue 365
 Barrera-Rodríguez, Raul 774
 Byoung-Don, Han 197

C

Cao, Xueyuan 170
 Cao, Zheng-huai 706, 918
 Chaiyarit, Ponlatham 553
 Chang, Huang-Chou 758
 Che, Xiao-Fang 372
 Chen, Kun 535
 Chen, Ling 134
 Chen, Yongxin 265
 Chen, Zheng-tang 706, 918
 Cheng, Jiin-Tsuey 758
 Chessa, Luciana 134
 Chiba, Shigeru 274
 Chi-pin, Li 480
 Cho, Young-Man 31
 Choi, Young Lim 387

Chong-Kook, Kim 197
 Chou, Yi-Pin 758

D

Date, Chigusa 590
 Date, Isao 801
 de Lucio, Victor 774
 Delia, Domenico 134
 Dewan, Md. Zahidunnabi 466
 Ding, Xiaohui 157
 Duan, Yu-zhong 706, 918

E

Endo, Keigo 903
 Endo, Sumio 38

F

Floyd, Robert A. 414
 Fujii, Nobuharu 127
 Fujii, Shin-ichiro 897
 Fujioka, Akio 295
 Fujisaka, Yasuhito 721
 Fujita, Hirofumi 409
 Fujita, Naoya 825
 Fujita, Naoyuki 578
 Fujita, Toshiro 866
 Fukamachi, Katsumi 309
 Fukayama, Masashi 265, 480, 844
 Fukui, Mitsuru 590
 Fukuma, Daiki 889
 Fukumoto, Hisao 323
 Fukushima, Masakazu 295
 Fukushima, Shoji 637, 747
 Fukuyama, Takashi 882
 Funae, Yoshihiko 747
 Funata, Nobuaki 480, 844
 Furukawa, Tatsuhiko 372
 Furukawa, Yoichi 498
 Furuta, Tomohisa 801
 Fusetani, Nobuhiro 357

G

Gajalakshmi, Vendhan 507
 Ghadimi, Reza 873
 Goan, Yih-Gang 758
 Goto, Akiteru 480, 844
 Goto, Shigeru 303
 Goto, Takeshi 303
 Gye-Hyun, Nam 197

H

Haga, Hironori 487
 Haga, Naomi 825
 Hagiwara, Akihiro 637
 Hagiwara, Tomoko 513

Ham Hye, Seon 365
 Hamada, Hirofumi 149
 Hamada, Shinichi 116
 Hamaguchi, Tetsuya 309
 Hamashima, Yoshio 791
 Hanada, Ryoji 653
 Hanagiri, Takeshi 882
 Hansen, Lasse T. 183
 Hanyu, Aki 791
 Harada, Hiroshi 288
 Haraguchi, Misako 372
 Harashima, Nanae 249
 Hasebe, Takahiro 858
 Hasegawa, Kosei 801
 Hasegawa, Suguru 498
 Hasegawa, Tadashi 333
 Hashimoto, Naoya 676
 Hasumura, Mai 31
 Hatakeyama, Masanori 835
 Hatayama, Takumi 695
 Hayasaka, Haruko 317
 Hayashi, Masaki 903
 Hayashi, Takuya 176
 Hayashida, Masashi 816
 Heizmann, Claus W. 844
 Heung-Jae, Jun 197
 Hiai, Hiroshi 164
 Higashi, Hideaki 835
 Higashi, Ken 164
 Hippi, Yoshitaka 265
 Hirai, Hisamaru 274
 Hiraide, Hoshio 48
 Hirakawa, Kosei 451
 Hiraku, Yusuke 157, 553
 Hiramatsu, Toshiki 227
 Hiraoka, Masahiro 288
 Hiraoka, Nobuyoshi 403
 Hirata, Shinya 889
 Hirohashi, Setsuo 323, 333, 403, 661
 Hirose, Maho 513
 Hirose, Masao 19, 31
 Honda, Mitsuo 466
 Honma, Yoshio 653
 Honmou, Osamu 149
 Hori, Nobukazu 93
 Horie, Ryouichi 466
 Horiike, Atsushi 721
 Horinouchi, Sueharu 357
 Horiuchi, Sankichi 466
 Hosaka, Seiji 695
 Hosoda, Fumie 661
 Hosono, Akihiro 873
 Ho-Sun, Choi 197
 Houkin, Kiyohiro 149
 Hsu, Hon-Ki 758
 Hyun-Sun, Jin 197

I
 Ibe, Masaaki 519
 Ichihara, Masatoshi 143

Ichikawa, Tomotsugu 801
 Ichiki, Yoshinobu 882
 Ichikura, Takashi 100
 Ichinose, Masao 713
 Igarashi, Hisaki 42
 Igarashi, Kazuhiko 245
 Igarashi, Maki 414
 Igarashi, Tadahiko 903
 Ihara, Megumi 42
 Iijima, Tatsuo 668
 Ikeda, Kazuma 127
 Ikeda, Noriaki 513
 Ikeda, Ryuji 372
 Ikehara, Yuzuru 170
 Ikekita, Masahiko 83
 Ikezoe, Takayuki 425
 Im, Seock-Ah 365
 Imai, Toshio 19, 31
 Imai, Yoichi 274
 Imaizumi, Yoshitaka 527
 Imamura, Takeshi 791
 Imoto, Issei 100, 661, 676
 Inadome, Yukinori 668
 Inamine, Morihiko 876
 Inazawa, Johji 48, 100, 661, 676
 Ino, Yoshinori 323
 Ioka, Akiko 689
 Irie, Kenji 578
 Irie, Masahiro 600
 Ishihara, Keiichi 695
 Ishihara, Shigehiko 519
 Ishikawa, Etsuko 457
 Ishikawa, Hideki 507
 Ishikawa, Madoka 387
 Ishikawa, Shumpei 844
 Ishikura, Satoshi 349
 Ishimaru, Fumihiko 127
 Ishiwata, Isamu 26
 Ishiyama, Tadashi 668
 Ito, Hirotaka 265
 Ito, Hisao 227, 245
 Ito, Kiyoshi 645
 Ito, Mamoru 466
 Itoh, Kuniaki 349, 903
 Iwamori, Masao 26
 Iwamoto-Tanaka, Naoko 600
 Iwanari, Hiroko 265
 Iwane, Masataka 713
 Iwao, Toshiyasu 387
 Iwasaki, Motoki 858
 Iwashita, Yukio 303

J

Jeung, Hei-Cheul 372
 Jiang, Jing 507
 Jijiwa, Mayumi 143
 Jin, Toufeng 116
 Jin, Zhengmin 607
 Jintakanon, Darunee 553
 Johansen, Julia S. 183

Jong, Hyun-Soon 365
Joon-Mo, Lee 197
Jung, Kyung Hae 365
Jung, Yeonjoo 365
Junker, Nanna 183

K

Kagami, Yoshikazu 349
Kage, Kumie 866
Kaisaki, Shoichi 93
Kajimoto, Tetsuya 791
Kakinuma, Naoto 191
Kamihira, Simeru 527
Kaminishi, Michio 170
Kanai, Yae 403, 661
Kanamori, Masao 42
Kandori, Hitoshi 221
Kaneda, Kinuyo 127
Kaneda, Ruri 387
Kaneko, Naoki 83
Kaneko, Yasuhiko 653
Kaneshiro, Tatsuya 876
Kang Jin, Seok 747
Kannagi, Mari 249
Kano, Junko 668
Karube, Yoko 111
Kasai, Hiroshi 600
Kashima, Takeshi 265
Kasukabe, Takashi 653
Katano, Masayoshi 620
Kataoka, Hideki 42
Kataoka, Sayo 810
Kato, Kazunori 149
Kato, Takuma 157
Kato, Tatsushi 498
Kato, Yo 218
Kato, Hiroto 661
Kawai, Kazushige 93, 784
Kawai, Kumi 143
Kawanishi, Shosuke 157, 553
Kawano, Yutaka 149
Kawase, Takeshi 801
Kazui, Teruhisa 265
Kazuno, Hiromi 295
Kiguchi, Kazushige 26
Kikuchi, Shogo 54
Kim, Jee Hyun 365
Kim, Noe Kyeong 365
Kim, Tae-You 365
Kim, Tai Young 365
Kimata, Kiyonori 620
Kimura, Mikihiko 48
Kimura, Yoshiyuki 441
Kinjo, Tatsuya 876
Kinoshita, Anna 747
Kinoshita, Hirokatsu 218
Kinoshita, Taira 858
Kisanuki, Hiroyuki 387
Kitada, Shigehiro 333
Kitade, Makoto 614

Kitamura, Tomohiro 260
Kitano, Seigo 303
Kitayama, Joji 93, 784
Kobayashi, Masaki 353
Kobayashi, Michiya 116
Kobayashi, Toshihiko 42
Kobayashi, Yukio 77, 903
Kobune, Masayoshi 149
Kodama, Tatsuhiko 265
Kodama, Yoshinori 143
Koeffler H., Phillip 425
Koga, Chizuko 519
Kohno, Hiroyuki 69
Kohno, Tomoko 527
Kohu, Kazuyoshi 191
Koide, Akihiro 637
Koinuma, Koji 387
Koizumi, Fumiaki 323
Koizumi, Fumihito 801
Kokubu, Akiko 661
Komatsu, Kenshi 134
Komatsu, Masaharu 13
Komatsu, Norio 340
Komatsu, Shoko 120
Komatsu, Teruo 323
Komori, Hiroyuki 695
Kondo, Eisei 127
Kondo, Takaaki 57, 590
Konno, Hiroyuki 42
Kono, Suminori 513, 535
Kosuge, Tomoo 403
Kouno, Mitsuo 38
Kristjansen, Paul E.G. 183
Kubo, Tatsuko 695
Kubota, Nobuo 911
Kubushiro, Kaneyuki 26
Kudo, Tomoya 560
Kumai, Hideshi 54
Kumanishi, Toshiro 38
Kumano, Keiki 274
Kuramoto, Takashi 409
Kuraoka, Kazuya 474
Kuribayashi, Kagemasa 157
Kurihara, Kiyoshi 249
Kuriki, Kiyonori 507
Kurisaki, Akari 889
Kurusu, Shusaku 379
Kuroda, Sachiko 83
Kuroiwa, Toshihiko 38
Kurokawa, Mineo 274
Kushida, Masahiko 747
Kusumoto, Shigeru 77, 903

L

Lanson, Nicholas A. 607
Lecis, Daniele 134
Lee, Gang-Hong 256
Lee, Keun-Wook 365
Lee, Kun-Hyung 357
Lee, Kyong-Yeon 513

Li, Dechao 394
 Li, De-zhi 706, 918
 Li, Rong 706, 918
 Li, Xiao 127
 Li, Zhong-You 42
 Lin, Bei 26
 Lin, Yingsong 54, 57, 590
 Liu, Hongbo 164
 Liu, Junye 288
 Lotze, Michael T. 897
 Lund, Eva L. 183

M

Ma, Ning 157, 553
 Machida, Hikaru 911
 Maehara, Tadaaki 176
 Mafune, Ken-ichi 170
 Makino, Susumu 637
 Mano, Hiroyuki 387
 Manuel, Victor 774
 Maru, Yoshiro 240
 Marugame, Tomomi 120
 Maruno, Motohiko 676
 Maruyama, Takayuki 260
 Masuda, Masato 249
 Masuda, Shigeo 274
 Masuko, Norio 614
 Matsubara, Daisuke 480, 844
 Matsubara, Osamu 48, 333
 Matsuda, Akira 295
 Matsui, Takane 19
 Matsunaga, Shigeki 357
 Matsunaga, Takuya 149
 Matsuno, Yoshihiro 77, 661
 Matsuoka, Hiroyuki 519
 Matsuoka, Yoichiro 309
 Matsusaki, Keisuke 474
 Matsushima, Taijiro 409
 Matsushita, Hirokazu 801
 Matsushita, Hiroshi 256
 Matsuyama, Tomokazu 176
 Matsuyama, Toshifumi 527
 Matsuyoshi, Hidetake 889
 Mera, Kiyomi 349
 Miki, Kazumasa 713
 Minami, Yuko 668
 Minegishi, Yoshiyuki 134
 Mineshita, Masamichi 513
 Mingxi, Tang 221
 Minohara, Motozumi 695
 Miranti, Ika P. 873
 Mitani, Kinuko 340
 Mitsudomi, Tetsuya 63, 111
 Mitsuhashi, Junko 457
 Mitsumori, Kunitoshi 19
 Mitsunaga, Shuichi 858
 Miwa, Yoshihiro 434
 Miyagishi, Makoto 274
 Miyamori, Hisashi 212
 Miyasaka, Masayuki 317, 766

Miyashita, Minoru 434
 Miyazaki, Masafumi 695
 Miyazono, Kohei 791
 Miyoshi, Shinichiro 111
 Mizuiri, Hirozumi 571
 Mizukami, Makiko 882
 Mizutani, Shuki 134
 Mochizuki, Hidetaka 48, 100
 Mohara, Osamu 713
 Monji, Mikio 695
 Moore, Malcolm A. 873
 Mori, Satoru 637
 Mori, Yukio 637
 Moriki, Toshiaki 810
 Morimoto, Junji 434
 Morimura, Keichirou 747
 Morio, Tomohiro 134
 Morioka, Takamitsu 876
 Morishita, Yukio 668
 Morita, Daisaku 48
 Moriya, Takuya 232
 Moriyama, Hirokazu 844
 Moriyama, Sachiko 844
 Motomura, Yutaka 695, 889
 Motoshita, Junichi 474
 Mugitani, Kouichi 713
 Mukoubayashi, Chizu 713
 Murai, Takashi 637
 Murai, Toshiyuki 766
 Murakami, Yoshinori 480, 543
 Murakumo, Yoshiki 143
 Muramatsu, Takashi 54
 Murasaki, Toshiya 221
 Murata, Mariko 553
 Murata, Tetsuya 333
 Muscat, Joshua E. 283
 Muto, Tetsuichiro 218
 Mutoh, Michihiro 260

N

Nagahama, Masato 157
 Nagahama, Yumi 227
 Nagahara, Yukitoshi 83
 Nagai, Kentaro 614
 Nagasawa, Masayuki 134
 Nagata, Yoshika 882
 Nagawa, Hirokazu 93, 218, 784
 Naito, Akihiro 309
 Nakada, Shin-Ichiro 134
 Nakae, Dai 414
 Nakagama, Hitoshi 627
 Nakagawa, Kazuhiko 801
 Nakagawara, Akira 653, 729
 Nakai, Kei 766
 Nakajima, Morio 353
 Nakajima, Motowo 191
 Nakajima, Syuichi 911
 Nakamura, Hideya 713
 Nakamura, Hiroshige 227
 Nakamura, Kazuo 372

Nakamura, Kiminori 149
 Nakamura, Ritsuko 42
 Nakamura, Seiichi 507
 Nakamura, Shigeo 349
 Nakamura, Takuro 7
 Nakamura, Yusuke 498
 Nakanishi, Hayao 170
 Nakanishi, Kuniaki 176
 Nakanishi, Masako 627
 Nakano, Takumi 116
 Nakata, Hiroya 713
 Nakata, Masanobu 903
 Nakatani, Hajime 116
 Nakatsuka, Haruo 120
 Nakatsura, Tetsuya 695, 889
 Nakayama, Eiichi 801
 Nakayama, Hirofumi 474
 Nakayama, Tomio 120
 Nakazawa, Kazunori 451
 Natori, Tsuneo 333
 Nawano, Shigeru 903
 Niho, Naoko 260
 Niikura, Hitoshi 645
 Niitsu, Yoshiro 149
 Niki, Toshiro 480, 844
 Nishikori, Momoko 487
 Nishimura, Michael I. 897
 Nishimura, Shinichi 357
 Nishimura, Yasuharu 695, 889
 Nishimura, Yoshihiro 844
 Nishino, Yoshikazu 120
 Nishio, Junko 911
 Nishio, Kazuko 57, 590
 Nishio, Kazuto 323
 Nishio, Reiji 83
 Nishioka, Chie 810
 Nishioka, Yuki 721
 Niwa, Tohru 409
 Niwa, Yoshimitsu 57, 590
 Node, Manabu 791
 Noguchi, Masayuki 668
 Noguchi, Tsuyoshi 571
 Noguchi, Yuji 801
 Nomoto, Tomoko 409
 Nozaki, Koji 170
 Nozawa, Shiro 26
 Numata, Atsushi 816

O

Obata, Yuki 54
 Ochiai, Atsushi 858
 Ochiai, Masako 627
 Ochiya, Takahiro 323
 Oda, Ichiro 349
 Ogawa, Kumiko 221
 Ogawa, Michio 695
 Ogawa, Seishi 274
 Ogawa, Shinsaku 513
 Ogura, Masakazu 288

Ohara, Etsuko 844
 Ohashi, Takashi 249
 Ohata, Hiroshi 713
 Ohgi, Shigetsugu 227, 498
 Ohguro, Nobuyuki 766
 Ohki, Misao 661
 Ohkubo, Shuichi 614
 Ohmori, Naoya 303
 Ohnishi, Takamasa 309
 Ohno, Hitoshi 487
 Ohno, Kikuo 676
 Ohshima, Yutaka 309
 Ohta, Masayuki 303
 Ohtomo, Toshihiko 265
 Ohtsu, Atsushi 349
 Ohtsuka, Yukiko 48
 Ohtsuki, Yuji 425
 Ohuchi, Noriaki 353
 Ohuchida, Shuichi 260
 Ohwada, Susumu 191
 Oikawa, Shinji 553
 Oka, Masashi 713
 Okabe-Kado, Junko 653
 Okada, Shinobu 911
 Okada, Tadashi 876
 Okaji, Yurai 93, 784
 Okamoto, Ryoko 578
 Okamura, Jun 249
 Okamura, Kunihiro 645
 Okanoue, Takeshi 100
 Okazaki, Shinji 614
 Okochi-Takada, Eriko 206
 Okubo, Chigusa 668
 Okumura, Hiroshi 372
 Ono, Toshiro 801
 Onodera, Hiroshi 19
 Onose, Jun-ichi 31
 Ooshio, Takako 578
 Osada, Hirotaka 111
 Osada, Takuya 784
 Osaki, Mitsuhiko 227
 Osaki, Tokio 394
 Oshima, Akira 684, 689
 Oshimura, Mitsuo 245
 Ota, Jun 387
 Otsuki, Yoshinori 434
 Oue, Naohide 474, 571
 Oya, Masatoshi 218
 Ozaki, Toshinori 729
 Ozeki, Yuichi 176

P

Painter, Richard G. 607
 Park, Frank 607
 Peng, Dun-Fa 403
 Peng, Wei-Xia 661
 Pinlaor, Somchai 553
 Pu, Quan 127
 Puatanachokchai, Rawiwan 747

Q

Qu, Runjiang 288

R

Ravshanov, Sanjar 42

Rusyn, Ivan 414

S

Saigusa, Kuniyasu 676

Saito, Kanako 157

Saito, Sumika 645

Saito, Takafumi 38

Saitoh, Masao 791

Sakamoto, Kazuki 295

Sakamoto, Terumi 721

Sakiyama, Tokuki 661

Sakurai, Daisuke 784

Samsuria, Witjitra D. 873

Sarjadi 873

Sasabe, Eri 394

Sasaki, Atsushi 303

Sasaki, Ko 340

Sasaki, Takuma 295

Sasaki-Takahashi, Noriko 816

Sasano, Hironobu 232 645

Sata, Tetsutaro 466

Sato, Hidetaka 260

Sato, Hiroshi 212

Sato, Masaaki 191

Sato, Naomi 42

Sato, Shuichiro 801

Sato, Syuji 303

Sato, Tatsuhiro 578

Sato, Hiroshi 120

Sato, Seiji 498

Sawada, Morio 403

Sekiguchi, Naohiro 77, 903

Semba, Reiji 157

Senju, Satoru 695, 889

Seo, Naohiro 519

Seriu, Taku 903

Shi, Jun 127

Shi, Minyi 13

Shibahara, Junji 265

Shibanaka, Yasuhiko 191

Shibata, Masa-Aki 434

Shibata, Tatsuhiro 661

Shibata, Toru 288

Shibayama, Yoshihiko 372

Shikano, Naoto 911

Shimada, Aki 668

Shimamura, Takahiro 42, 265

Shimizu, Kiyoshi 274

Shimizu, Nobuyoshi 858

Shimizu, Nobuyuki 170

Shimizu, Yasuhito 713

Shimoyama, Tatsu 721

Shinagawa, Katsuji 127

Shingo, Tetsuro 801

Shinmura, Kazuya 42

Shinomi, Masahito 816

Shinomiya, Takahisa 83

Shinto, Eiji 48

Shirai, Makoto 911

Shirai, Tomoyuki 221

Shoda, Momoko 810

Shu, Yujian 668

So, Tetsuya 882

Sobue, Tomotaka 120

Soeripto 873

Sonoda, Itaru 100

Srinoulprasert, Yuttana 317

Stellman, Steven D. 283

Suda, Takako 498

Sugahara, Tetsuo 816

Sugano, Kentaro 387

Sugaya, Masakazu 882

Sugie, Shigeyuki 69

Sugihashi, Youko 645

Sugimoto, Takeki 116

Sugimoto, Yoshikazu 457, 614, 866

Sugimura, Haruhiko 42, 265

Sugimura, Takashi 203, 260, 409

Sugio, Kenji 882

Sugishita, Tomoko 876

Sugita, Shintaro 668

Sugiura, Yoshiaki 176

Su-Mi, Bae 197

Sumiyoshi, Maho 441

Sumizawa, Tomoyuki 372

Sunami, Eiji 93

Sung-Eun, Namkoong 197

Sung-Pil, Park 197

Suzui, Masumi 876

Suzuki, Noriko 414

Suzuki, Rikako 69

Suzuki, Sadao 57, 507, 590, 873

Suzuki, Satoshi 353

Suzuki, Shugo 221

Suzuki, Takaichiro 120

Suzuki, Takashi 232, 645

Suzumiya, Junji 349

T

Tabata, Shinji 513

Taguchi, Hirokuni 425, 810

Taguchi, Takahiro 116

Tahara, Eiichi 245

Tahara, Hideaki 498

Taira, Kazunari 274, 620

Tajima, Kazuo 120, 283

Takada, Hisashi 100

Takada, Shuji 387

Takagi, Toshiyuki 349

Takahashi, Koki 93, 784

Takahashi, Mami 260

Takahashi, Masahide 143

Takahashi, Masakazu 414

Takahashi, Takashi 63, 111

Takahashi, Wataru 340

Takahashi-Sasaki, Noriko 620
 Takai, Yoshimi 578
 Takamizawa, Junichi 111
 Takasuka, Nobuo 309
 Takayama, Kyoko 721
 Takeda, Motohiro 353
 Takeda, Yasuo 372
 Takemoto, Shigeki 810
 Takenawa, Tadaomi 379
 Takenoyama, Mitsuhiro 882
 Takeshita, Haruko 13
 Takeshita, Tetsuya 713
 Takeuchi, Seisho 425
 Takeuchi, Tamotsu 425
 Takeuchi, Tomoyo 668
 Takeuchi, Toru 13
 Takezaki, Toshiro 120, 283
 Takigahira, Misato 323
 Takino, Takahisa 212
 Takizawa, Tamotsu 19, 31
 Tamada, Kiichi 387
 Tamae, Kazuyoshi 600
 Tamai, Hideyuki 713
 Tamai, Seiichi 48, 333
 Tamaki, Kuniyoshi 48
 Tamaki, Yoshio 349
 Tamakoshi, Akiko 57, 590
 Tamakoshi, Koji 57, 590
 Tamiya, Takashi 801
 Tamura, Tomohide 721
 Tanaka, Harunari 170
 Tanaka, Hiromi 323
 Tanaka, Hisaaki 111
 Tanaka, Kyoko 26
 Tanaka, Masamitsu 42
 Tanaka, Takuji 69
 Tanaka, Toshiyuki 317, 766
 Tani, Yoichi 333
 Taniguchi, Hirokazu 265
 Taniguchi, Shun'ichiro 738
 Tanimoto, Kazuki 77, 903
 Tanimoto, Mitsune 127
 Tanimoto, Takao 176
 Tanioka, Fumihiko 265
 Taniwaki, Masafumi 349
 Taniyama, Kiyomi 474
 Tano, Yasuo 766
 Tanosaki, Ryuji 249
 Tatematsu, Kenjiro 637
 Tatematsu, Masae 170, 409
 Tatematsu, Yoshio 111
 Tatemoto, Yukihiro 394
 Tendo, Masashige 451
 Terada, Tadafumi 614
 Terashima, Kazuo 466
 Terauchi, Takashi 903
 Terui, Shoji 903
 Tobinai, Kensei 77, 349, 903
 Toda, Masahiro 801
 Toge, Tetsuya 571

Tojo, Masayoshi 791
 Tokudome, Shinkan 57, 507, 590, 873
 Tokunaga, Katsushi 784
 Tokura, Yoshiki 519
 Tomida, Shuta 63, 111
 Tominaga, Masayuki 303
 Tominaga, Suketami 120
 Tomita, Kazutaka 560
 Tomonaga, Masao 249, 527
 Toyoshima, Hideaki 57, 590
 Triningsih, F. X. Ediaty 873
 Triono, Teguh 873
 Tsuchiya, Naoyuki 784
 Tsuchiya, Ryosuke 661
 Tsuchiya, Takeshi 784
 Tsuda, Hiroyuki 309
 Tsuda, Hitoshi 48, 100, 333, 676
 Tsugane, Shoichiro 1
 Tsuji, Akiko 513
 Tsukahara, Fujiko 240
 Tsukahara, Satomi 457
 Tsukamoto, Tetsuga 409
 Tsukazaki, Katsumi 26
 Tsukuma, Hideaki 684, 689
 Tsuno, Nelson H. 93, 784
 Tsunoda, Takuya 498
 Tsuruo, Takashi 825

U

Uchida, Naotaka 498
 Uchiyama, Takashi 487
 Ueda, Kimiko 684
 Ueda, Makoto 19, 31
 Ueda, Shinobu 309
 Uematsu, Fumiyuki 414
 Uenaka, Akiko 801
 Uenoyama, Maki 176
 Ura, Katsuaki 498
 Ushijima, Saori 403
 Ushijima, Toshikazu 206, 409
 Ushiyama, Mina 372
 Usubuchi, Noriko 903
 Utsunomiya, Atae 249
 Utsunomiya, Hiroki 645

V

Villa, Anna 134

W

Wakabayashi, Keiji 260
 Wakai, Kenji 57, 590
 Wakazono, Kuniko 409
 Wang, Guoshun 607
 Wang, Jingweng 507
 Wang, Wei-dong 706, 918
 Wang, You-Jie 42
 Wanibuchi, Hideki 637, 747
 Washiyama, Kazuo 38
 Watanabe, Akira 265
 Watanabe, Mariko 466

Watanabe, Naoto 414
Watanabe, Takashi 77, 498, 903
Watanabe, Toshiaki 93, 218, 784
Watanabe, Toshiki 466, 810
Wei, Min 747
Weisenberger, Joel 333
Wierzba, Konstanty 614
Wijaya, Indra 873
Woong-Shick, Ahn 197

X

Xu, Baohui 13

Y

Yaegashi, Nobuo 645
Yagyu, Kiyoko 54
Yamada, Jun 784
Yamada, Katsushi 372
Yamada, Nobuya 451
Yamada, Tatsuya 191
Yamada, Yasuaki 527
Yamada, Yasuhide 721
Yamada, Yuji 614
Yamaguchi, Keizo 513
Yamaguchi, Tatsuya 372
Yamamoto, Akio 57, 590
Yamamoto, Hiroshi 260
Yamamoto, Naoki 466
Yamamoto, Noboru 721
Yamamoto, Seiichiro 349
Yamamoto, Seiko 816
Yamamoto, Tetsuya 394
Yamanaka, Shigeo 810
Yamanoha, Banri 816
Yamaoka, Yoshio 170
Yamashita, Izumi 816
Yamashita, Yoshihiro 387
Yamazaki, Daisuke 379
Yamazaki, Masatoshi 560
Yamashita, Satoshi 409
Yamazaki, Shiho 170
Yamori, Takao 816

Yanagihara, Kazuyoshi 323
Yanagihara, Miyako 620, 816
Yanagisawa, Akio 218
Yanagisawa, Kiyoshi 63, 111
Yanaoka, Kimihiko 713
Yang, BoGi 317
Yang, Yang 425
Yashiro, Masakazu 451
Yasuda, Manabu 882
Yasuda, Sanae 721
Yasui, Wataru 245, 474, 571
Yasumoto, Kosei 882
Yatabe, Yasushi 63, 111
Yatsuya, Hiroshi 57, 590
Yazawa, Kentaro 93, 784
Yi, Junlin 288
Yin, Guang 513
Yokoi, Sana 676
Yokomine, Kazunori 695
Yokomizo, Takehiko 844
Yokota, Yukiko 77
Yoneyama, Satomi 784
Yongvanit, Puangrat 553
Yoshida, Kazuhiro 571
Yoshida, Koji 387
Yoshida, Midori 414
Yoshida, Minoru 357
Yoshimi, Naoki 876
Yoshimine, Toshiki 676
Yoshimura, Noriko 713
Yoshino, Tadashi 349
Yoshitake, Yoshihiro 695, 889
Yoshizumi, Yutaka 176
Young-Lae, Cho 197
Young-Wan, Kim 197
Yui, Satoru 560

Z

Zhang, QiGuo 240
Zhang, Shu-Jing 38
Zheng, Chun-Lei 372

The official journal of
the Japanese Cancer Association

Cancer Science

Formerly Japanese Journal of Cancer Research

Volume 96
2005



Blackwell
Publishing

ISSN 1347-9032 (Print)
ISSN 1349-7006 (Online)

The official journal of
the Japanese Cancer Association

Cancer Science

Formerly *Japanese Journal of Cancer Research*

Editor-in-Chief

Takashi Tsuruo *The University of Tokyo*

Editors

Setsuo Hirohashi *National Cancer Center*
Yusuke Nakamura *The University of Tokyo*
Ryuzo Ueda *Nagoya City University*

Editor for Review Articles

Toshitada Takahashi *Aichi Cancer Center*

Cover Editor

Kohei Miyazono *The University of Tokyo*

Editor Emeritus

Takashi Sugimura

Associate Editors

Shin-ichi Akiyama
Tetsu Akiyama
Hirofumi Arakawa
Helmurt Bartsch
William T. Beck
Maartin C. Bosland
Yao-Tseng Chen
Tommaso A. Dragani
Keigo Endo
Soldano Ferrone
Michael M. Gottesman
Parry Guilford
Nobuyuki Hamajima
Curtis C. Harris
Kiyohiko Hatake
Carl-Henrik Heldin
Toshio Hirano
Masahiro Hiraoka
Chung-cheng Hsieh
Kay Huebner
Kohzoh Imai
Johji Inazawa
Fuyuki Ishikawa
Kyogo Itoh
David H. Johnson
Tadao Kakizoe
Reiji Kannagi
Yutaka Kawakami
Elliott Kieff
Akira Kikuchi

Kyu-Won Kim
Yukihiko Kitamura
Alexander Knuth
Michihiko Kuwano
Akira Matsuda
Kohei Miyazono
Noriyuki Moriyama
Kei Nakachi
Hitoshi Nakagawa
Eiichi Nakayama
Yoshiro Niitsu
Takashi Nishimura
Tetsuo Noda
Hiroshi Ohshima
Hiroyuki Osada
Pier Paolo Pandolfi
Jae-Gahb Park
Manuel Peruchio
Roger Reddel
Nicolas Restifo
Anita B. Roberts
Jeffery S. Rubin
Nagahiro Saijo
Izumu Saito
Michiie Sakamoto
Jacques Samarut
Takehiko Sasazuki
Hideyuki Saya
Motoharu Seiki
Manuel Serrano

Masao Seto
Masabumi Shibuya
Hiroshi Shiku
Kunitada Shimotohno
Tomoyuki Shirai
Robert H. Shoemaker
Rashmi Sinha
Saburo Sone
Eric Stanbridge
Yoshikazu Sugimoto
Kazuo Tajima
Takashi Takahashi
Yoshimi Takai
Masaru Taniguchi
Tadatsugu Taniguchi
Masae Temamatsu
Yoichi Taya
Snorri S. Thorgeirsson
Shoichiro Tsugane
Yoshimasa Uehara
Kazuo Umezawa
Keiji Wakabayashi
Paul Workman
Yasushi Yamazoe
Takao Yamori
Wataru Yasui
Jun Yokota
Jun Yoshida
Teruhiko Yoshida
Stuart H. Yuspa

Secretaries for Editor-in-Chief

Naoya Fujita
Hiroyuki Seimiya

Editorial Assistant

Sayuri Yoshizawa

Cancer Science (formerly *Japanese Journal of Cancer Research*) is the official journal of the Japanese Cancer Association, and is published monthly. The journal was founded in 1907 as *Gann*, meaning cancer, by the late Dr. Katsusaburo Yamagiwa, who first produced skin cancer in experimental animals by painting tar on their skin. *Cancer Science* publishes original articles, editorials, letters to the editor, and reports describing original research in the fields of basic, translational and clinical cancer research. The following subject categories are covered: carcinogenesis, tumor biology and pathology, molecular biology and genetics, epidemiology and prevention, immunology and virology, or experimental therapeutics and clinical medicine. The Journal also publishes review articles which may be solicited or submitted.

Abstracting and Indexing Services: The Journal is indexed by Biological Abstracts, Chemical Abstracts, Current Contents, Index Medicus/ MEDLINE, Reference Update.

Address for Editorial Correspondence:

Cancer Science Editorial Office, c/o Blackwell Publishing Asia, GS Chiyoda Bldg., 5F, 3-11-14 Jidabashi, Chiyoda-ku, Tokyo 102-0072, Japan. E-mail: cancerscience@blackwellpublishingasia.com; Tel: +81 3 5215 3051; Fax: +81 3 5215 3052.

Address for Membership Queries: The Japanese Cancer Association, c/o International Medical Information Center, Shinanomachi Rengakan, 35 Shinanomachi, Shinjuku-ku, Tokyo 160-0016 Japan. E-mail: office@jca.gr.jp; Tel: +81 3 5361 7156; Fax: +81 3 3358 1633.

JCA Board of Directors 2005: *President* Setsuo Hirohashi; *Vice President* Kozoh Imai, Yusuke Nakamura, Tetsuo Noda; *Board* Tadao Kakizoe, Masaki Kitajima, Toshio Kuroki, Kohei Miyazono, Okio Hino, Hiroshi Shiku, Kazuo Tajima, Takashi Tsuruo, Ryuzo Ueda, Shinichi Akiyama, Nagahiro Saijo, Keiji Wakabayashi; *President, 2005 Annual Meeting* Kozoh Imai; *President, 2006 Annual Meeting* Tadao Kakizoe; *Administration Staff: Executive Secretary* Yasuko Kobayashi, *Secretary* Chikako Tago.

Disclaimer: The Publisher, Association and Editors cannot be held responsible for errors or any consequences arising from the use of information contained in this journal; the views and opinions expressed do not necessarily reflect those of the Publisher, Association and Editors, neither does the publication of advertisements constitute any endorsement by the Publisher, Association and Editors of the products advertised.

© 2005 (Japanese Cancer Association).

The Japanese Cancer Association thanks the following organizations for financial help with the publication of the Journal: Grant-in-Aid for publication of Scientific Research Results from the Japan Society for the Promotion of Science; Japanese Foundation for Cancer Research; Foundation for Promotion of Cancer Research; Aichi Cancer Center; Foundation of Sapporo Cancer Seminar; Hiroshima Cancer Seminar Foundation; Japan Cancer Society; and Japan Medical Association.

ISSN 1347-9032 (Print)
ISSN 1349-7006 (Online)

For submission instructions, subscription and all other information visit
www.blackwellpublishing.com/cas

This journal is available online at *Blackwell Synergy*. Visit www.blackwell-synergy.com to search the articles and register for table of contents email alerts.



Contents

No. 1, January 2005

REVIEW ARTICLES

- 1 Salt, salted food intake, and risk of gastric cancer: Epidemiologic evidence
Shoichiro Tsugane
- 7 Retroviral insertional mutagenesis identifies oncogene cooperation
Takuro Nakamura

ORIGINAL ARTICLES

CARCINOGENESIS

- 13 Generation of 8-hydroxydeoxyguanosine from DNA using rat liver homogenates
Minyi Shi, Haruko Takeshita, Masaharu Komatsu, Baohui Xu, Kohji Aoyama and Toru Takeuchi
- 19 Possible enhancing effects of atrazine on growth of 7,12-dimethylbenz(a) anthracene-induced mammary tumors in ovariectomized Sprague-Dawley rats
Makoto Ueda, Toshio Imai, Tamotsu Takizawa, Hiroshi Onodera, Kunitoshi Mitsumori, Takane Matsui and Masao Hirose

TUMOR BIOLOGY AND PATHOLOGY

- 26 Alterations in the glycolipid composition and cellular properties of ovarian carcinoma-derived RMG-1 cells on transfection of the α 1,2-fucosyltransferase gene
Masao Iwamori, Kyoko Tanaka, Kaneyuki Kubushiro, Bei Lin, Kazushige Kiguchi, Isamu Ishiwata, Katsumi Tsukazaki and Shiro Nozawa
- 31 Development of invasive follicular cell carcinomas in a rat thyroid carcinogenesis model: Biological impact of capsular inflammation and reduced cyclooxygenase-2 expression
Toshio Imai, Mai Hasumura, Jun-ichi Onose, Makoto Ueda, Tamotsu Takizawa, Young-Man Cho and Masao Hirose
- 38 Primary malignant lymphoma of the brain: Frequent abnormalities and inactivation of p14 tumor suppressor gene
Shu-Jing Zhang, Sumio Endo, Takafumi Saito, Mitsuo Kouno, Toshihiko Kuroiwa, Kazuo Washiyama and Toshiro Kumanishi
- 42 EPHA2/EFNA1 expression in human gastric cancer
Ritsuko Nakamura, Hideki Kataoka, Naomi Sato, Masao Kanamori, Megumi Ihara, Hisaki Igarashi, Sanjar Ravshanov, You-Jie Wang, Zhong-You Li, Takahiro Shimamura, Toshihiko Kobayashi, Hiroyuki Konno, Kazuya Shinmura, Masamitsu Tanaka and Haruhiko Sugimura
- 48 Correlation of KIT and EGFR overexpression with invasive ductal breast carcinoma of the solid-tubular subtype, nuclear grade 3, and mesenchymal or myoepithelial differentiation
Hitoshi Tsuda, Daisaku Morita, Mikihiko Kimura, Eiji Shinto, Yukiko Ohtsuka, Osamu Matsubara, Johji Inazawa, Kuniyoshi Tamaki, Hidetaka Mochizuki, Seiichi Tamai and Hoshio Hiraide

EPIDEMIOLOGY AND PREVENTION

- 54 Serum midkine concentrations and gastric cancer
Yuki Obata, Shogo Kikuchi, Yingsong Lin, Kiyoko Yagyu, Takashi Muramatsu, Hideshi Kumai and Tokyo Research Group on Prevention of Gastric Cancer
- 57 Impact of menstrual and reproductive factors on breast cancer risk in Japan: Results of the JACC study
Koji Tamakoshi, Hiroshi Yatsuya, Kenji Wakai, Sadao Suzuki, Kazuko Nishio, Yingsong Lin, Yoshimitsu Niwa, Takaaki Kondo, Akio Yamamoto, Shinkan Tokudome, Hideaki Toyoshima and Akiko Tamakoshi for the JACC Study Group

No. 2, February 2005

REVIEW ARTICLE

- 63 Throwing new light on lung cancer pathogenesis: Updates on three recent topics
Shuta Tomida, Yasushi Yatabe, Kiyoshi Yanagisawa, Tetsuya Mitsudomi and Takashi Takahashi

ORIGINAL ARTICLES

CARCINOGENESIS

- 69 β -Cartenin mutations in a mouse model of inflammation-related colon carcinogenesis induced by 1,2-dimethylhydrazine and dextran sodium sulfate
Hiroyuki Kohno, Rikako Suzuki, Shigeyuki Sugie and Takuji Tanaka

TUMOR BIOLOGY AND PATHOLOGY

- 77 **Follicular lymphoma subgrouping by fluorescence *in situ* hybridization analysis**
Naohiro Sekiguchi, Yukio Kobayashi, Yukiko Yokota, Shigeru Kusumoto, Kazuki Tanimoto, Takashi Watanabe, Yoshihiro Matsuno and Kensei Tobinai
- 83 **Phytosphingosine induced mitochondria-involved apoptosis**
Yukitoshi Nagahara, Takahisa Shinomiya, Sachiko Kuroda, Naoki Kaneko, Reiji Nishio and Masahiko Ikekita
- 93 **Selective inhibition of cyclooxygenase-2 inhibits colon cancer cell adhesion to extracellular matrix by decreased expression of $\beta 1$ integrin**
Kentaro Yazawa, Nelson H. Tsuno, Joji Kitayama, Kazushige Kawai, Yurai Okaji, Masahiro Asakage, Eiji Sunami, Shoichi Kaisaki, Nobukazu Hori, Toshiaki Watanabe, Koki Takahashi and Hirokazu Nagawa

MOLECULAR BIOLOGY AND GENETICS

- 100 **Screening of DNA copy-number aberrations in gastric cancer cell lines by array-based comparative genomic hybridization**
Hisashi Takada, Issei Imoto, Hitoshi Tsuda, Itaru Sonoda, Takashi Ichikura, Hidetaka Mochizuki, Takeshi Okanoue and Johji Inazawa
- 111 **Reduced expression of *Dicer* associated with poor prognosis in lung cancer patients**
Yoko Karube, Hisaaki Tanaka, Hirotaka Osada, Shuta Tomida, Yoshio Tatematsu, Kiyoshi Yanagisawa, Yasushi Yatabe, Junichi Takamizawa, Shinichiro Miyoshi, Tetsuya Mitsudomi and Takashi Takahashi
- 116 **STI571 (Glivec) inhibits the interaction between c-KIT and heat shock protein 90 of the gastrointestinal stromal tumor cell line, GIST-T1**
Hajime Nakatani, Michiya Kobayashi, Toufeng Jin, Takahiro Taguchi, Takeki Sugimoto, Takumi Nakano, Shinichi Hamada and Keiji Araki

EPIDEMIOLOGY AND PREVENTION

- 120 **Lung cancer death rates by smoking status: Comparison of the three-prefecture cohort study in Japan to the cancer prevention study II in the USA**
Tomomi Marugame, Tomotaka Sobue, Hiroshi Satoh, Shoko Komatsu, Yoshikazu Nishino, Haruo Nakatsuka, Tomio Nakayama, Takaichiro Suzuki, Toshiro Takezaki, Kazuo Tajima and Suketami Tominaga

IMMUNOLOGY AND VIROLOGY

- 127 **Activated human umbilical cord blood dendritic cells killed tumor cells without damaging normal hematological progenitor cells**
Jun Shi, Kazuma Ikeda, Nobuharu Fujii, Eisei Kondo, Katsuji Shinagawa, Fumihiko Ishimaru, Kinuyo Kaneda, Mitsune Tanimoto, Xiao Li and Quan Pu
- 134 **Ataxia-telangiectasia-mutated dependent phosphorylation of artemis in response to DNA damage**
Ling Chen, Tomohiro Morio, Yoshiyuki Minegishi, Shin-Ichiro Nakada, Masayuki Nagasawa, Kenshi Komatsu, Luciana Chessa, Anna Villa, Daniele Lecis, Domenico Delia and Shuki Mizutani

No. 3, March 2005

REVIEW ARTICLES

- 143 **The *RET* proto-oncogene: A molecular therapeutic target in thyroid cancer**
Yoshinori Kodama, Naoya Asai, Kumi Kawai, Mayumi Jijiwa, Yoshiki Murakumo, Masatoshi Ichihara and Masahide Takahashi
- 149 **Mesenchymal stem cells (MSC) as therapeutic cytoreagents for gene therapy**
Hirotami Hamada, Masayoshi Kobune, Kiminori Nakamura, Yutaka Kawano, Kazunori Kato, Osamu Honmou, Kiyohiro Houkin, Takuya Matsunaga and Yoshiro Niitsu

ORIGINAL ARTICLES

CARCINOGENESIS

- 157 **Inducible nitric oxide synthase-dependent DNA damage in mouse model of inflammatory bowel disease**
Xiaohui Ding, Yusuke Hiraku, Ning Ma, Takuma Kato, Kanako Saito, Masato Nagahama, Reiji Semba, Kagemasa Kuribayashi and Shosuke Kawanishi
- 164 **Role of resistant *Drh1* locus in chemical carcinogen-induced hepatocarcinogenesis in rats: Analysis with a speed congenic strain**
Hongbo Liu, Ken Higashi and Hiroshi Hiai
- 170 ***Helicobacter pylori*-dependent NF-kappa B activation in newly established Mongolian gerbil gastric cancer cell lines**
Koji Nozaki, Harunari Tanaka, Yuzuru Ikehara, Xueyuan Cao, Hayao Nakanishi, Takeshi Azuma, Shiho Yamazaki, Yoshio Yamaoka, Nobuyuki Shimizu, Ken-ichi Mafune, Michio Kaminishi and Masae Tatematsu

TUMOR BIOLOGY AND PATHOLOGY

- 176 Expression of hypoxia-inducible factor-1 α in esophageal squamous cell carcinoma**
Tomokazu Matsuyama, Kuniaki Nakanishi, Takuya Hayashi, Yutaka Yoshizumi, Satoshi Aiko, Yoshiaki Sugiura, Takao Tanimoto, Maki Uenoyama, Yuichi Ozeki and Tadaaki Maehara
- 183 Regulation of YKL-40 expression during genotoxic or microenvironmental stress in human glioblastoma cells**
Nanna Junker, Julia S. Johansen, Lasse T. Hansen, Eva L. Lund and Paul E.G. Kristjansen

MOLECULAR BIOLOGY AND GENETICS

- 191 Cloning of novel LERGU mRNAs in GPR30 3' untranslated region and detection of 2 bp-deletion polymorphism in gastric cancer**
Naoto Kakinuma, Masaaki Sato, Tatsuya Yamada, Kazuyoshi Kohu, Motowo Nakajima, Tetsu Akiyama, Susumu Ohwada and Yasuhiko Shibana

EXPERIMENTAL THERAPEUTICS AND CLINICAL MEDICINE

- 197 Identification of hemoglobin- α and - β subunits as potential serum biomarkers for the diagnosis and prognosis of ovarian cancer**
Ahn Woong-Shick, Park Sung-Pil, Bae Su-Mi, Lee Joon-Mo, Namkoong Sung-Eun, Nam Gye-Hyun, Cho Young-Lae, Choi Ho-Sun, Jun Heung-Jae, Kim Chong-Kook, Kim Young-Wan, Han Byoung-Don and Jin Hyun-Sun

No. 4, April 2005

OBITUARY

- 203 Her Imperial Highness Princess Takamatsu (1911–2004)**
Takashi Sugimura

REVIEW ARTICLES

- 206 Aberrant methylations in cancer cells: Where do they come from?**
Toshikazu Ushijima and Eriko Okochi-Takada
- 212 Roles of membrane-type matrix metalloproteinase-1 in tumor invasion and metastasis**
Hiroshi Sato, Takahisa Takino and Hisashi Miyamori

ORIGINAL ARTICLES

CARCINOGENESIS

- 218 Increase in the frequency of K-ras codon 12 point mutation in colorectal carcinoma in elderly males in Japan: The 1990s compared with the 1960s**
Hirokatsu Kinoshita, Akio Yanagisawa, Toshiaki Watanabe, Hirokazu Nagawa, Masatoshi Oya, Yo Kato and Tetsuhiro Muto
- 221 Influence of atrazine administration and reduction of calorie intake on prostate carcinogenesis in probasin/SV40 T antigen transgenic rats**
Hitoshi Kandori, Shugo Suzuki, Makoto Asamoto, Toshiya Murasaki, Tang Mingxi, Kumiko Ogawa and Tomoyuki Shirai

TUMOR BIOLOGY AND PATHOLOGY

- 227 Expression of RUNX3 protein in human lung adenocarcinoma: Implications for tumor progression and prognosis**
Kunio Araki, Mitsuhiro Osaki, Yumi Nagahama, Toshiki Hiramatsu, Hiroshige Nakamura, Shigetugu Ohgi and Hisao Ito
- 232 StAR and progesterone producing enzymes (3 β -hydroxysteroid dehydrogenase and cholesterol side-chain cleavage cytochromes P450) in human epithelial ovarian carcinoma: Immunohistochemical and real-time PCR studies**
Manar Abd-Elaziz, Takuya Moriya, Jun-ichi Akahira, Takashi Suzuki and Hironobu Sasano
- 240 N-acetyl-cysteine enhances growth in BCR-ABL-transformed cells**
QiGuo Zhang, Fujiko Tsukahara and Yoshiro Maru

MEETING REPORT

- 245 Cancer and epigenetics – basic research and clinical implications: Joint Meeting of the Fourteenth International Symposium of the Hiroshima Cancer Seminar and the Eighth Meeting of the Tottori Bioscience Promotion Foundation, October 2004**
Wataru Yasui, Mitsuo Oshimura, Kazuhiro Igarashi, Hisao Ito and Eiichi Tahara

REVIEW ARTICLE

249 Tumor immunity against adult T-cell leukemia

Mari Kannagi, Nanae Harashima, Kiyoshi Kurihara, Takashi Ohashi, Atae Utsunomiya, Ryuji Tanosaki, Masato Masuda, Masao Tomonaga and Jun Okamura

ORIGINAL ARTICLES

CARCINOGENESIS

256 Genetic linkage between Polt deficiency and increased susceptibility to lung tumors in mice

Gang-Hong Lee and Hiroshi Matsushita

260 Suppression of azoxymethane-induced colon cancer development in rats by a prostaglandin E receptor EP₁-selective antagonist

Naoko Niho, Michihiro Mutoh, Tomohiro Kitamura, Mami Takahashi, Hidetaka Sato, Hiroshi Yamamoto, Takayuki Maruyama, Shuichi Ohuchida, Takashi Sugimura and Keiji Wakabayashi

TUMOR BIOLOGY AND PATHOLOGY

265 Overexpression of MUC13 is associated with intestinal-type gastric cancer

Takahiro Shimamura, Hirotaka Ito, Junji Shibahara, Akira Watanabe, Yoshitaka Hippo, Hirokazu Taniguchi, Yongxin Chen, Takeshi Kashima, Toshihiko Ohtomo, Fumihiko Tanioka, Hiroko Iwanari, Tatsuhiko Kodama, Teruhisa Kazui, Haruhiko Sugimura, Masashi Fukayama and Hiroyuki Aburatani

274 Notch1 oncoprotein antagonizes TGF- β /Smad-mediated cell growth suppression via sequestration of coactivator p300

Shigeo Masuda, Keiki Kumano, Kiyoshi Shimizu, Yoichi Imai, Mineo Kurokawa, Seishi Ogawa, Makoto Miyagishi, Kazunari Taira, Hisamaru Hirai and Shigeru Chiba

EPIDEMIOLOGY AND PREVENTION

283 Charcoal cigarette filters and lung cancer risk in Aichi Prefecture, Japan

Joshua E. Muscat, Toshiro Takezaki, Kazuo Tajima and Steven D. Stellman

EXPERIMENTAL THERAPEUTICS AND CLINICAL MEDICINE

288 A tumor-specific gene therapy strategy targeting dysregulation of the VHL/HIF pathway in renal cell carcinomas

Masakazu Ogura, Toru Shibata, Junlin Yi, Junye Liu, Runjiang Qu, Hiroshi Harada and Masahiro Hiraoka

295 Possible antitumor activity of 1-(3-C-ethynyl- β -D-ribo-pentofuranosyl)cytosine (ECyd, TAS-106) against an established gemcitabine (dFdCyd)-resistant human pancreatic cancer cell line

Hiromi Kazuno, Kazuki Sakamoto, Akio Fujioka, Masakazu Fukushima, Akira Matsuda and Takuma Sasaki

303 Dendritic cell immunotherapy with poly(D,L-2,4-diaminobutyric acid)-mediated intratumoral delivery of the interleukin-12 gene suppresses tumor growth significantly

Yukio Iwashita, Shigeru Goto, Masayuki Tominaga, Atsushi Sasaki, Naoya Ohmori, Takeshi Goto, Syuji Sato, Masayuki Ohta and Seigo Kitano

REVIEW ARTICLES

309 High susceptibility of human c-Ha-ras proto-oncogene transgenic rats to carcinogenesis: A cancer-prone animal model

Hiroyuki Tsuda, Katsumi Fukamachi, Yutaka Ohshima, Shinobu Ueda, Yoichiro Matsuoka, Tetsuya Hamaguchi, Takamasa Ohnishi, Nobuo Takasuka and Akihiro Naito

317 Chemokines in tumor progression and metastasis

Toshiyuki Tanaka, Zhongbin Bai, Yuttana Srinoulprasert, BoGi Yang, Haruko Hayasaka and Masayuki Miyasaka

ORIGINAL ARTICLES

TUMOR BIOLOGY AND PATHOLOGY

323 Development and biological analysis of peritoneal metastasis mouse models for human scirrhous stomach cancer

Kazuyoshi Yanagihara, Misato Takigahira, Hiromi Tanaka, Teruo Komatsu, Hisao Fukumoto, Fumiaki Koizumi, Kazuto Nishio, Takahiro Ochiya, Yoshinori Ino and Setsuo Hirohashi

- 333 Frequent KIT and epidermal growth factor receptor overexpressions in undifferentiated-type breast carcinomas with 'stem-cell-like' features**
Hitoshi Tsuda, Yoichi Tani, Joel Weisenberger, Shigehiro Kitada, Tadashi Hasegawa, Tetsuya Murata, Seiichi Tamai, Setsuo Hirohashi, Osamu Matsubara and Tsuneo Natori

MOLECULAR BIOLOGY AND GENETICS

- 340 TEL/ETV6 accelerates erythroid differentiation and inhibits megakaryocytic maturation in a human leukemia cell line UT-7/GM**
Wataru Takahashi, Ko Sasaki, Norio Komatsu and Kinuko Mitani

EXPERIMENTAL THERAPEUTICS AND CLINICAL MEDICINE

- 349 Japanese multicenter phase II study of CHOP followed by radiotherapy in stage I-II, diffuse large B-cell lymphoma of the stomach**
Satoshi Ishikura, Kensei Tobinai, Atsushi Ohtsu, Shigeo Nakamura, Tadashi Yoshino, Ichiro Oda, Toshiyuki Takagi, Kiyomi Mera, Yoshikazu Kagami, Kuniaki Itoh, Yoshio Tamaki, Junji Suzumiya, Masafumi Taniwaki and Seiichi Yamamoto

- 353 Nano-sized fluorescent particles as new tracers for sentinel node detection: Experimental model for decision of appropriate size and wavelength**
Morio Nakajima, Motohiro Takeda, Masaki Kobayashi, Satoshi Suzuki and Noriaki Ohuchi

- 357 Inhibition of protein synthesis and activation of stress-activated protein kinases by onnamide A and theopederin B, antitumor marine natural products**
Kun-Hyung Lee, Shinichi Nishimura, Shigeki Matsunaga, Nobuhiro Fusetani, Sueharu Horinouchi and Minoru Yoshida

- 365 Cytotoxic effects of pemetrexed in gastric cancer cells**
Jee Hyun Kim, Keun-Wook Lee, Yeonjoo Jung, Tai Young Kim, Hye Seon Ham, Hyun-Soon Jong, Kyung Hae Jung, Seock-Ah Im, Tae-You Kim, Noe Kyeong Kim and Yung-Jue Bang

- 372 Cepharanthine potentially enhances the sensitivity of anticancer agents in K562 cells**
Ryuji Ikeda, Xiao-Fang Che, Tatsuya Yamaguchi, Mina Ushiyama, Chun-Lei Zheng, Hiroshi Okumura, Yasuo Takeda, Yoshihiko Shibayama, Kazuo Nakamura, Hei-Cheul Jeung, Tatsuhiko Furukawa, Tomoyuki Sumizawa, Misako Haraguchi, Shin-ichi Akiyama and Katsushi Yamada

* * * * *

- 377 Retraction**

No. 7, July 2005

REVIEW ARTICLE

- 379 Regulation of cancer cell motility through actin reorganization**
Daisuke Yamazaki, Shusaku Kurisu and Tadaomi Takenawa

ORIGINAL ARTICLES

TUMOR BIOLOGY AND PATHOLOGY

- 387 Experimental trial for diagnosis of pancreatic ductal carcinoma based on gene expression profiles of pancreatic ductal cells**
Madoka Ishikawa, Koji Yoshida, Yoshihiro Yamashita, Jun Ota, Shuji Takada, Hiroyuki Kisanuki, Koji Koinuma, Young Lim Choi, Ruri Kaneda, Toshiyasu Iwao, Kiichi Tamada, Kentaro Sugano and Hiroyuki Mano
- 394 Mechanism of HIF-1 α -dependent suppression of hypoxia-induced apoptosis in squamous cell carcinoma cells**
Eri Sasabe, Yukihiro Tatemoto, Dechao Li, Tetsuya Yamamoto and Tokio Osaki
- 403 Increased DNA methyltransferase 1 (DNMT1) protein expression in precancerous conditions and ductal carcinomas of the pancreas**
Dun-Fa Peng, Yae Kanai, Morio Sawada, Saori Ushijima, Nobuyoshi Hiraoka, Tomoo Kosuge and Setsuo Hirohashi

MOLECULAR BIOLOGY AND GENETICS

- 409 Whole-genome analyses of loss of heterozygosity and methylation analysis of four tumor-suppressor genes in *N*-methyl-*N*'-nitro-*N*-nitrosoguanidine-induced rat stomach carcinomas**
Tohru Niwa, Satoshi Yamashita, Tetsuya Tsukamoto, Takashi Kuramoto, Tomoko Nomoto, Kuniko Wakazono, Hirofumi Fujita, Taijiro Matsushima, Masae Tatematsu, Takashi Sugimura and Toshikazu Ushijima

- 414 Distinct patterns of gene expression in hepatocellular carcinomas and adjacent non-cancerous, cirrhotic liver tissues in rats fed a choline-deficient, L-amino acid-defined diet**
Fumiyuki Uematsu, Masakazu Takahashi, Midori Yoshida, Maki Igarashi, Naoto Watanabe, Noriko Suzuki, Masayoshi Abe, Ivan Rusyn, Robert A. Floyd and Dai Nakae

EXPERIMENTAL THERAPEUTICS AND CLINICAL MEDICINE

- 425 HIV-1 protease inhibitor induces growth arrest and apoptosis of human prostate cancer LNCaP cells *in vitro* and *in vivo* in conjunction with blockade of androgen receptor STAT3 and AKT signaling**
Yang Yang, Takayuki Ikezoe, Tamotsu Takeuchi, Yoshihiro Adachi, Yuji Ohtsuki, Seisho Takeuchi, H. Phillip Koeffler and Hirokuni Taguchi
- 434 Electroporation transfer of an Epstein-Barr virus-based plasmid replicon vector containing the diphtheria toxin A gene suppresses mammary carcinoma growth in SCID mice**
Masa-Aki Shibata, Yoshihiro Miwa, Minoru Miyashita, Junji Morimoto, Hideaki Abe and Yoshinori Otsuki
- 441 Antitumor and antimetastatic actions of eicosapentaenoic acid ethylester and its by-products formed during accelerated stability testing**
Yoshiyuki Kimura and Maho Sumiyoshi
- 451 Inhibitory effect of a selective cyclooxygenase inhibitor on the invasion-stimulating activity of orthotopic fibroblasts for scirrhous gastric cancer cells**
Masashige Tendo, Masakazu Yashiro, Kazunori Nakazawa, Nobuya Yamada and Kosei Hirakawa

No. 8, August 2005

REVIEW ARTICLE

- 457 Breast cancer resistance protein: Molecular target for anticancer drug resistance and pharmacokinetics/pharmacodynamics**
Yoshikazu Sugimoto, Satomi Tsukahara, Etsuko Ishikawa and Junko Mitsuhashi

ORIGINAL ARTICLES

TUMOR BIOLOGY AND PATHOLOGY

- 466 Hodgkin's lymphoma cells are efficiently engrafted and tumor marker CD30 is expressed with constitutive nuclear factor- κ B activity in unconditioned NOD/SCID/ γ c^{ml} mice**
Md. Zahidunnabi Dewan, Mariko Watanabe, Sunjida Ahmed, Kazuo Terashima, Sankichi Horiuchi, Tetsutaro Sata, Mitsuo Honda, Mamoru Ito, Toshiki Watanabe, Ryouichi Horie and Naoki Yamamoto
- 474 DNA methylation profiles of differentiated-type gastric carcinomas with distinct mucin phenotypes**
Junichi Motoshita, Naohide Oue, Hirofumi Nakayama, Kazuya Kuraoka, Phyu Phyu Aung, Kiyomi Taniyama, Keisuke Matsusaki and Wataru Yasui
- 480 Loss of TSLC1 expression in lung adenocarcinoma: Relationships with histological subtypes, sex and prognostic significance**
Akiteru Goto, Toshiro Niki, Li Chi-pin, Daisuke Matsubara, Yoshinori Murakami, Nobuaki Funata and Masashi Fukayama
- 487 Stimulation of CD30 in anaplastic large cell lymphoma leads to production of nuclear factor- κ B p52, which is associated with hyperphosphorylated Bcl-3**
Momoko Nishikori, Hitoshi Ohno, Hironori Haga and Takashi Uchiyama

MOLECULAR BIOLOGY AND GENETICS

- 498 Identification of immunoglobulin superfamily 11 (IGSF11) as a novel target for cancer immunotherapy of gastrointestinal and hepatocellular carcinomas**
Takeshi Watanabe, Takako Suda, Takuya Tsunoda, Naotaka Uchida, Katsuaki Ura, Tatsushi Kato, Suguru Hasegawa, Seiji Satoh, Shigetugu Ohgi, Hideaki Tahara, Yoichi Furukawa and Yusuke Nakamura

EPIDEMIOLOGY AND PREVENTION

- 507 Influence of the C161T but not Pro12Ala polymorphism in the peroxisome proliferator-activated receptor-gamma on colorectal cancer in an Indian population**
Jing Jiang, Vendhan Gajalakshmi, Jingwen Wang, Kiyonori Kuriki, Sadao Suzuki, Seiichi Nakamura, Susumu Akasaka, Hideki Ishikawa and Shinkan Tokudome
- 513 Genetic polymorphisms of methylenetetrahydrofolate reductase and aldehyde dehydrogenase 2, alcohol use and risk of colorectal adenomas: Self-Defense Forces Health Study**
Maho Hirose, Suminori Kono, Shinji Tabata, Shinsaku Ogawa, Keizo Yamaguchi, Masamichi Mineshita, Tomoko Hagiwara, Guang Yin, Kyong-Yeon Lee, Akiko Tsuji and Noriaki Ikeda

IMMUNOLOGY AND VIROLOGY

- 519 **Enhanced T-cell response to mosquito extracts by NK cells in hypersensitivity to mosquito bites associated with EBV infection and NK cell lymphocytosis**
Yoshiki Tokura, Hiroyuki Matsuoka, Chizuko Koga, Hideo Asada, Naohiro Seo, Shigehiko Ishihara, Atsuko Adachi and Masaaki Ibe
- 527 **Possible origin of adult T-cell leukemia/lymphoma cells from human T lymphotropic virus type-1-infected regulatory T cells**
Tomoko Kohno, Yasuaki Yamada, Norihiko Akamatsu, Simeru Kamihira, Yoshitaka Imaizumi, Masao Tomonaga and Toshifumi Matsuyama

* * * * *

534 Erratum

No. 9, September 2005

REVIEW ARTICLES

- 535 **Genetic polymorphisms of methylenetetrahydrofolate reductase and colorectal cancer and adenoma**
Suminori Kono and Kun Chen
- 543 **Involvement of a cell adhesion molecule, TSLC1/IGSF4, in human oncogenesis**
Yoshinori Murakami

ORIGINAL ARTICLES

CARCINOGENESIS

- 553 **Nitrative and oxidative DNA damage in oral lichen planus in relation to human oral carcinogenesis**
Ponlatham Chaiyapit, Ning Ma, Yusuke Hiraku, Somchai Pinlaor, Puangrat Yongvanit, Darunee Jintakanon, Mariko Murata, Shinji Oikawa and Shosuke Kawanishi

TUMOR BIOLOGY AND PATHOLOGY

- 560 **Induction of multicellular 3-D spheroids of MCF-7 breast carcinoma cells by neutrophil-derived cathepsin G and elastase**
Satoru Yui, Kazutaka Tomita, Tomoya Kudo, Shingo Ando and Masatoshi Yamazaki
- 571 **DNA methylation of genes linked to retinoid signaling in squamous cell carcinoma of the esophagus: DNA methylation of *CRBP1* and *TIG1* is associated with tumor stage**
Hirozumi Mizuiri, Kazuhiro Yoshida, Tetsuya Toge, Naohide Oue, Phyu Phyu Aung, Tsuyoshi Noguchi and Wataru Yasui

MOLECULAR BIOLOGY AND GENETICS

- 578 **Common signaling pathway is used by the *trans*-interaction of Nect1-5/Tage4/PVR/CD155 and nectin, and of nectin and nectin during the formation of cell-cell adhesion**
Tatsuhiro Sato, Kenji Irie, Ryoko Okamoto, Takako Ooshio, Naoyuki Fujita and Yoshimi Takai

EPIDEMIOLOGY AND PREVENTION

- 590 **Dietary intakes of fat and fatty acids and risk of breast cancer: A prospective study in Japan**
Kenji Wakai, Koji Tamakoshi, Chigusa Date, Mitsuru Fukui, Sadao Suzuki, Yingsong Lin, Yoshimitsu Niwa, Kazuko Nishio, Hiroshi Yatsuya, Takaaki Kondo, Shinkan Tokudome, Akio Yamamoto, Hideaki Toyoshima and Akiko Tamakoshi for the JACC Study Group
- 600 **Occupational and lifestyle factors and urinary 8-hydroxydeoxyguanosine**
Masahiro Irie, Kazuyoshi Tamae, Naoko Iwamoto-Tanaka and Hiroshi Kasai

EXPERIMENTAL THERAPEUTICS AND CLINICAL MEDICINE

- 607 **Conditional expression of a suicide gene by the telomere reverse transcriptase promoter for potential post-therapeutic deletion of tumorigenesis**
Richard G. Painter, Nicholas A. Lanson Jr, Zhengmin Jin, Frank Park and Guoshun Wang
- 614 **A novel cinnamic acid derivative that inhibits Cdc25 dual-specificity phosphatase activity**
Yoshimi Aoyagi, Norio Masuko, Shuichi Ohkubo, Makoto Kitade, Kentaro Nagai, Shinji Okazaki, Konstanty Wierzb, Tadafumi Terada, Yoshikazu Sugimoto and Yuji Yamada
- 620 **Ribozymes targeting serine/threonine kinase Akt1 sensitize cells to anticancer drugs**
Miyako Yanagihara, Masayoshi Katano, Noriko Takahashi-Sasaki, Kiyonori Kimata, Kazunari Taira and Toshiwo Andoh

REVIEW ARTICLE

- 627 **Modeling human colon cancer in rodents using a food-borne carcinogen, PhIP**
Hitoshi Nakagama, Masako Nakanishi and Masako Ochiai

ORIGINAL ARTICLES

CARCINOGENESIS

- 637 **Differences in susceptibility to *N*-butyl-*N*-(4-hydroxybutyl)nitrosamine-induced urinary bladder carcinogenesis between SD/gShi rats with spontaneous hypospermatogenesis and SD/cShi rats with spontaneous hydronephrosis**
Takashi Murai, Yukio Mori, Kenjiro Tatematsu, Akihiro Koide, Akihiro Hagiwara, Susumu Makino, Satoru Mori, Hideki Wanibuchi and Shoji Fukushima
- 645 **Orphan nuclear receptor DAX-1 in human endometrium and its disorders**
Sumika Saito, Kiyoshi Ito, Takashi Suzuki, Hiroki Utsunomiya, Jun-ichi Akahira, Youko Sugihashi, Hitoshi Niikura, Kunihiro Okamura, Nobuo Yaegashi and Hironobu Sasano

TUMOR BIOLOGY AND PATHOLOGY

- 653 **Clinical significance of serum NM23-H1 protein in neuroblastoma**
Junko Okabe-Kado, Takashi Kasukabe, Yoshio Honma, Ryoji Hanada, Akira Nakagawara and Yasuhiko Kaneko
- 661 **Array-based comparative genomic hybridization analysis of high-grade neuroendocrine tumors of the lung**
Wei-Xia Peng, Tatsuhiko Shibata, Hiroto Katoh, Akiko Kokubu, Yoshihiro Matsuno, Hisao Asamura, Ryosuke Tsuchiya, Yae Kanai, Fumie Hosoda, Tokuki Sakiyama, Misao Ohki, Issei Imoto, Johji Inazawa and Setsuo Hirohashi
- 668 **Establishment of an immortalized cell line from a precancerous lesion of lung adenocarcinoma, and genes highly expressed in the early stages of lung adenocarcinoma development**
Aki Shimada, Junko Kano, Tadashi Ishiyama, Chigusa Okubo, Tatsuo Iijima, Yukio Morishita, Yuko Minami, Yukinori Inadome, Yujian Shu, Shintaro Sugita, Tomoyo Takeuchi and Masayuki Noguchi

MOLECULAR BIOLOGY AND GENETICS

- 676 **Overexpressed Skp2 within 5p amplification detected by array-based comparative genomic hybridization is associated with poor prognosis of glioblastomas**
Kuniyasu Saigusa, Naoya Hashimoto, Hitoshi Tsuda, Sana Yokoi, Motohiko Maruno, Toshiki Yoshimine, Masaru Aoyagi, Kikuo Ohno, Issei Imoto and Johji Inazawa

EPIDEMIOLOGY AND PREVENTION

- 684 **Socioeconomic factors and cancer incidence, mortality, and survival in a metropolitan area of Japan: A cross-sectional ecological study**
Kimiko Ueda, Hideaki Tsukuma, Wakiko Ajiki and Akira Oshima
- 689 **Influence of hospital procedure volume on uterine cancer survival in Osaka, Japan**
Akiko Ioka, Hideaki Tsukuma, Wakiko Ajiki and Akira Oshima

IMMUNOLOGY AND VIROLOGY

- 695 **DNA vaccination of HSP105 leads to tumor rejection of colorectal cancer and melanoma in mice through activation of both CD4⁺ T Cells and CD8⁺ T Cells**
Masafumi Miyazaki, Tetsuya Nakatsura, Kazunori Yokomine, Satoru Senju, Mikio Monji, Seiji Hosaka, Hiroyuki Komori, Yoshihiro Yoshitake, Yutaka Motomura, Motozumi Minohara, Tatsuko Kubo, Keiichi Ishihara, Takumi Hatayama, Michio Ogawa and Yasuhiro Nishimura

EXPERIMENTAL THERAPEUTICS AND CLINICAL MEDICINE

- 706 **Cisplatin-controlled p53 gene therapy for human non-small cell lung cancer xenografts in athymic nude mice via the CARg elements**
Wei-dong Wang, Rong Li, Zheng-tang Chen, De-zhi Li, Yu-zhong Duan and Zheng-huai Cao
- 713 **Gastric cancer screening of a high-risk population in Japan using serum pepsinogen and barium digital radiography**
Hiroshi Ohata, Masashi Oka, Kimihiko Yanaoka, Yasuhito Shimizu, Chizu Mukoubayashi, Kouichi Mugitani, Masataka Iwane, Hideya Nakamura, Hideyuki Tamai, Kenji Arai, Hiroya Nakata, Noriko Yoshimura, Tetsuya Takeshita, Kazumasa Miki, Osamu Mohara and Masao Ichinose
- 721 **Phase I pharmacokinetic and pharmacogenomic study of E7070 administered once every 21 days**
Yasuhide Yamada, Noboru Yamamoto, Tatsu Shimoyama, Atsushi Horiike, Yasuhito Fujisaka, Kyoko Takayama, Terumi Sakamoto, Yuki Nishioka, Sanae Yasuda and Tomohide Tamura

REVIEW ARTICLES

- 729 **p73, a sophisticated p53 family member in the cancer world**
Toshinori Ozaki and Akira Nakagawara
- 738 **Suppression of cancer phenotypes through a multifunctional actin-binding protein, calponin, that attacks cancer cells and simultaneously protects the host from invasion**
Shun'ichiro Taniguchi

ORIGINAL ARTICLES

- 747 Dose-dependence of promotion of 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline-induced rat hepatocarcinogenesis by ethanol: Evidence for a threshold**
Masahiko Kushida, Hideki Wanibuchi, Keiichirou Morimura, Anna Kinoshita, Jin Seok Kang, Rawiwan Puatanachokchai, Min Wei, Yoshihiko Funae and Shoji Fukushima
- 758 Risk of p53 gene mutation in esophageal squamous cell carcinoma and habit of betel quid chewing in Taiwanese**
Yih-Gang Goan, Huang-Chou Chang, Hon-Ki Hsu, Yi-Pin Chou and Jiin-Tsuey Cheng
- 766 Invasive human pancreatic carcinoma cells adhere to endothelial tri-cellular corners and increase endothelial permeability**
Kei Nakai, Toshiyuki Tanaka, Toshiyuki Murai, Nobuyuki Ohguro, Yasuo Tano and Masayuki Miyasaka
- 774 Characterization of human NSCLC cell line with innate etoposide-resistance mediated by cytoplasmic localization of topoisomerase II alpha**
Bautista de Lucio, Victor Manuel and Raul Barrera-Rodríguez
- 784 Targeting Id1 and Id3 inhibits peritoneal metastasis of gastric cancer**
Takeshi Tsuchiya, Yurai Okaji, Nelson H. Tsuno, Daisuke Sakurai, Naoyuki Tsuchiya, Kazushige Kawai, Kentaro Yazawa, Masahiro Asakage, Jun Yamada, Satomi Yoneyama, Joji Kitayama, Takuya Osada, Toshiaki Watanabe, Katsushi Tokunaga, Koki Takahashi and Hirokazu Nagawa
- 791 The ALK-5 inhibitor A-83-01 inhibits Smad signaling and epithelial-to-mesenchymal transition by transforming growth factor-β**
Masayoshi Tojo, Yoshio Hamashima, Aki Hanyu, Tetsuya Kajimoto, Masao Saitoh, Kohei Miyazono, Manabu Node and Takeshi Imamura
- 801 Identification of glioma-specific RFX4-E and -F isoforms and humoral immune response in patients**
Hirokazu Matsushita, Akiko Uenaka, Toshiro Ono, Kosei Hasegawa, Shuichi Sato, Fumihito Koizumi, Kazuhiko Nakagawa, Masahiro Toda, Tetsuro Shingo, Tomotsugu Ichikawa, Yuji Noguchi, Takashi Tamiya, Tomohisa Furuta, Takeshi Kawase, Isao Date and Eiichi Nakayama
- 810 Serum level of soluble CD30 correlates with the aggressiveness of adult T-cell leukemia/lymphoma**
Chie Nishioka, Shigeki Takemoto, Sayo Kataoka, Shigeo Yamanaka, Toshiaki Moriki, Momoko Shoda, Toshiki Watanabe and Hirokuni Taguchi
- 816 Leptospins isolated from marine fungus *Leptosphaeria* species inhibit DNA topoisomerases I and/or II and induce apoptosis by inactivation of Akt/protein kinase B**
Miyako Yanagihara, Noriko Sasaki-Takahashi, Tetsuo Sugahara, Seiko Yamamoto, Masahito Shinomi, Izumi Yamashita, Masashi Hayashida, Banri Yamanoha, Atsushi Numata, Takao Yamori and Toshiwo Andoh
- 825 Involvement of mitochondrial aggregation in arsenic trioxide (As₂O₃)-induced apoptosis in human glioblastoma cells**
Naomi Haga, Naoya Fujita and Takashi Tsuruo

No. 12, December 2005

REVIEW ARTICLE

- 835 *Helicobacter pylori* CagA: a new paradigm for bacterial carcinogenesis**
Masanori Hatakeyama and Hideaki Higashi

ORIGINAL ARTICLES

TUMOR BIOLOGY AND PATHOLOGY

- 844 Differential expression of S100A2 and S100A4 in lung adenocarcinomas: Clinicopathological significance, relationship to p53 and identification of their target genes**
Daisuke Matsubara, Toshiro Niki, Shumpei Ishikawa, Akiteru Goto, Etsuko Ohara, Takehiko Yokomizo, Claus W. Heizmann, Hiroyuki Aburatani, Sachiko Moriyama, Hirokazu Moriyama, Yoshihiro Nishimura, Nobuaki Funata and Masashi Fukayama
- 858 Important prognostic histological parameters for patients with invasive ductal carcinoma of the pancreas**
Shuichi Mitsunaga, Takahiro Hasebe, Motoki Iwasaki, Taira Kinoshita, Atsushi Ochiai and Nobuyoshi Shimizu

MOLECULAR BIOLOGY AND GENETICS

- 866 Role of Cys-603 in dimer/oligomer formation of the breast cancer resistance protein BCRP/ABCG2**
Kumie Kage, Toshiro Fujita and Yoshikazu Sugimoto

EPIDEMIOLOGY AND PREVENTION

- 873 *Helicobacter pylori* infection appears essential for stomach carcinogenesis: Observations in Semarang, Indonesia**
Shinkan Tokudome, Witjitra D. Samsuria, Soeripto, F. X. Ediati Triningsih, Sadao Suzuki, Akihiro Hosono, Teguh Triono, Indra Wijaya, Sarjadi, Ika P. Miranti, Reza Ghadimi and Malcolm A. Moore

- 876 Inhibitory effect of dietary monoglucosylceramide 1-O- β -glucosyl-N-2'-hydroxyarachidoyl-4,8-sphingadienine on two different categories of colon preneoplastic lesions induced by 1,2-dimethylhydrazine in F344 rats**
Morihiro Inamine, Masumi Suzui, Takamitsu Morioka, Tatsuya Kinjo, Tatsuya Kaneshiro, Tomoko Sugishita, Tadashi Okada and Naoki Yoshimi
- IMMUNOLOGY AND VIROLOGY**
- 882 Identification of tumor associated antigens recognized by IgG from tumor-infiltrating B cells of lung cancer: Correlation between Ab titer of the patient's sera and the clinical course**
Makiko Mizukami, Takeshi Hanagiri, Tetsuro Baba, Takashi Fukuyama, Yoshika Nagata, Tetsuya So, Yoshinobu Ichiki, Masakazu Sugaya, Manabu Yasuda, Mitsuhiro Takenoyama, Kenji Sugio and Kosei Yasumoto
- 889 Therapeutic effect of α -galactosylceramide-loaded dendritic cells genetically engineered to express SLC/CCL21 along with tumor antigen against peritoneally disseminated tumor cells**
Hidetake Matsuyoshi, Shinya Hirata, Yoshihiro Yoshitake, Yutaka Motomura, Daiki Fukuma, Akari Kurisaki, Tetsuya Nakatsura, Yasuharu Nishimura and Satoru Senju
- 897 Regulatory balance between the immune response of tumor antigen-specific T-cell receptor gene-transduced CD8⁺ T cells and the suppressive effects of tolerogenic dendritic cells**
Shin-ichiro Fujii, Michael I. Nishimura and Michael T. Lotze
- EXPERIMENTAL THERAPEUTICS AND CLINICAL MEDICINE**
- 903 Phase I study of radioimmunotherapy with an anti-CD20 murine radioimmunoconjugate (⁹⁰Y-ibritumomab tiuxetan) in relapsed or refractory indolent B-cell lymphoma**
Takashi Watanabe, Shoji Terui, Kuniaki Itoh, Takashi Terauchi, Tadahiko Igarashi, Noriko Usubuchi, Masanobu Nakata, Shigeru Nawano, Naohiro Sekiguchi, Shigeru Kusumoto, Kazuki Tanimoto, Yukio Kobayashi, Keigo Endo, Taku Seriu, Masaki Hayashi and Kensei Tobinai
- 911 Heat shock protein 90 inhibitor 17-allylamino-17-demethoxygeldanamycin potentiates the radiation response of tumor cells grown as monolayer cultures and spheroids by inducing apoptosis**
Hikaru Machida, Syuichi Nakajima, Naoto Shikano, Junko Nishio, Shinobu Okada, Munehiko Asayama, Makoto Shirai and Nobuo Kubota
- 918 Enhanced efficacy of radiation-induced gene therapy in mice bearing lung adenocarcinoma xenografts using hypoxia responsive elements**
Wei-dong Wang, Zheng-tang Chen, Rong Li, De-zhi Li, Yu-zhong Duan and Zheng-huai Cao

* * * * *

- 925 Reviewers**
- 927 Author Index**

